

**I. HEADING**

Date: April 28, 1995

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EERB RS II

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**Subject:** Pollution Report For CERCLA Time-Critical Removal  
Action at Sauget & Company Landfill, **Site G**, Sauget,  
St. Clair County, Illinois.

**POLREP #: 4**

**II. BACKGROUND**

Site No.: 4V  
Delivery Order No.: 5001-05-368  
Response Authority: CERCLA  
CERCLA Incident Category: Time-Critical Removal  
CERCLIS ID #: ILD 981 953 623  
NPL Status : No  
Start Date: March 20, 1995  
Latitude: North 38°35'21"  
Longitude: West 90°10'23"

**III. RESPONSE INFORMATION**

**A. Initial Situation:**

Please refer to POLREP No. 1 dated March 23, 1995

**B. Actions Taken:**

The following action were accomplished during the period  
of April 18 - 25, 1995)

- \* Results of soil samples for PCB and dioxin were received  
on April 21, 1995. Results of soil samples collected

from the southern side of Queeny Avenue indicated the presence of PCB in the range of 39 to 5,300 parts per million (ppm) and 35 to 74 parts per billion (ppb) 2,3,7,8-TCDD toxicity equivalent dioxin. ERCS contractor excavated approximately 133 cubic yards from Queeny Avenue area and incorporated the excavated soil with on-site soil (inside the fenced area).

- \* Results of soil samples collected from the Wiese Engineering Company parking lot and the waste pile area indicated the presence of PCB in the range of 68 to 154 ppm and 30 to 143 ppb 2,3,7,8-TCDD toxicity equivalent dioxin. Arrangement for excavating soil that exceeds the 25 ppm cleanup level for PCB and/or the 20 ppb cleanup level for dioxin (low-contact industrial areas) is underway.
- \* Results of waste samples collected from uncovered waste containers during digging the exploration pits indicated the presence of liquid waste with 58% PCB (580,000 ppm) and solids with 20% 4-nitroaniline. The decomposition of nitroaniline in the presence of moisture may cause spontaneous ignition.
- \* Results of monitoring well samples indicated the presence of benzene, toluene, chlorobenzene, and dichlorophenol at levels above the recommended SDWA maximum concentration limits (MCL). No inorganic contamination was found.
- \* Completed sample collection from off-site locations.

**C. Enforcement**

Results of waste samples collected from uncovered waste containers indicated the presence of 4-nitroaniline and 2-nitroaniline. Industrial chemical references list three registered manufacturers for nitroaniline. MOSANTO, Sauget plant, is one of the registered manufacturer for these chemicals.

**IV. NEXT STEPS**

- A. Continue clearing and grubbing of the site area.
- B. Collect ambient air samples to evaluate off-site migration of contaminants and pollutants that may be triggered by on-site activities.
- C. Properly abandon two existing monitoring wells prior to placing a clay cap over the site.
- D. Continue removal of contaminated soil from the waste pile area and Wiese Co. parking lot.

- E. Solidify two oil pits located near the northeast corner of the site.

**V. KEY ISSUES**

- A. Need access consent from one property owner. ORC/DOJ is in process of obtaining warrant.

**VI. Costs to date**

	<u>AMOUNT BUDGETED</u>	<u>AMOUNT USED</u>	<u>AMOUNT REMAINING</u>
US EPA (Direct & Indirect)	\$ 108,000.00	\$ 21,268.50	\$ 86,731.50
TAT	\$ 56,000.00	\$ 21,860.42	\$ 34,139.58
ERCS	<u>\$ 500,000.00</u>	<u>\$ 58,163.29</u>	<u>\$441,836.71</u>
<b>TOTAL</b>	\$ 664,000.00	\$101,292.21	\$562,707.79